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CD105/Endoglin Rabbit mAb

Catalog No.: A25536 Recombinant

Basic Information

Observed MW
95kDa

Calculated MW
67kDa/70kDa

Category
Primary antibody

Applications
ELISA,WB,FC

Cross-Reactivity
Human

CloneNo number
ARC62399

Background

This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds to the beta1 and beta3 peptides with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia. This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:500 - 1:1000
FC	1:500 - 1:1000

Immunogen Information

Gene ID
2022

Swiss Prot
P17813

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
END; HHT1; ORW1

Contact

400-999-6126

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Product Information

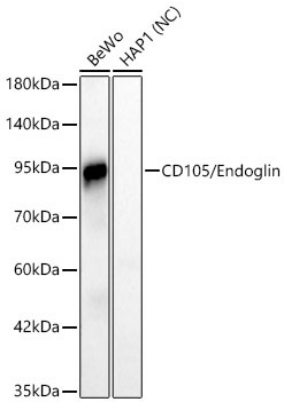
Source
Rabbit

Isotype
IgG

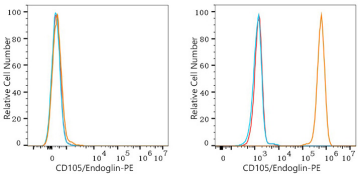
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

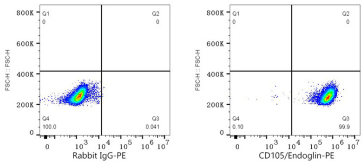
Validation Data



Western blot analysis of various lysates using CD105/Endoglin Rabbit mAb (A25536) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): HAP1.
Exposure time: 30s.



Flow cytometry: 1X10^6 HAP1 cells (negative control,left) and HUVEC cells (right) were surface-stained with CD105/Endoglin Rabbit mAb (A25536,2 µg/mL,orange line) or Rabbit IgG isotype control (AC042,2 µg/mL,blue line), followed by PE Donkey anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 HUVEC cells were surface-stained with Rabbit IgG isotype control (AC042,2 µg/mL,left) or CD105/Endoglin Rabbit mAb (A25536,2 µg/mL,right), followed by PE Donkey anti-Rabbit pAb staining.